

Appendix D

DOE Order 5480.19 (Conduct of Operations) - 10 HMPTS QA Criteria Applicability Matrix

1.0 Applicability

DOE Order 5480.19 (Conduct of Operations) is applicable to activities at LLNL. It is also applicable to HMPTS Operations Groups which have used a graded approach to the implementation of DOE Order 5480.19. This means that the prescriptiveness and level of detail is based on the scale, cost, complexity, hazards, and programmatic significance of the work as defined by the LLNL Hazard Assurance Prioritization System in Appendix 2. This Appendix provides guidance for inter-relating the requirements of the HMPTS QAP, Specific Quality Assurance Plan (SQAP's), and DOE Order 5480.19 (Conduct of Operations).

2.0 Conduct of Operations as Work Processes

The LLNL QAP is the highest-level QA/COO policy document at LLNL. It defines the 10 LLNL QA Criteria and the requirements for the conduct of work activities.

The HMPTS QAP and the Specific Quality Assurance Plans (SQAP's) are tailored implementation plans developed by line management which implement the 10 LLNL Criterion in organizations, activities, or projects.

The guidance set forth in DOE Order 5480.19 is more prescriptive guidance primarily for implementing HMPTS QA criteria 5.5 (Work Processes), with more tangential related information on criteria 5.1 (Program), 5.2 (Personnel Training and Qualification), and 5.9 (Management Assessment). In other words, the base-line management controls required by Criterion 5.5 (Work Processes) are applied to the conduct of all activities and the more prescriptive guidance found in DOE Order 5480.19 is selectively applied only to the activities described in Section 1.0 of this appendix. The matrix that inter-relates these requirements is shown below.

DOE Order 5480.19 (Conduct of Operations) - 10 HMPTS QA Criteria Applicability Matrix

		10 QA Criteria									
CONDUCT OF OPERATIONS		1	2	3	4	5	6	7	8	9	10
1.	Operations Department Organization & Administration	•									
2.	Shift Routines & Operating Practices					•					
3.	Control Room Activities					•					
4.	Communications					•					
5.	Control of On-Shift Training			•							
6.	Investigation of Abnormal Events					•					
7.	Notifications					•					
8.	Control of Equipment & System Status							•			
9.	Tagouts					•					
10.	Independent Verification										•
11.	Log Keeping					•					
12.	Shift Turnover					•					
13.	Operation Aspects of Plant Chemistry					n/a					
14.	Required Reading			•							
15.	Shift Orders					•					
16.	Operations Procedures					•					
17.	Operator and Postings					•					
18.	Equipment Labeling					•					

LLNL HMPTS 10 Quality Assurance Criteria:

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|---|--------------------------------------|
| 1. Program | 6. Design |
| 2. Personnel Training and Qualification | 7. Procurement |
| 3. Quality Improvement | 8. Inspection and Acceptance Testing |
| 4. Documents and Records | 9. Management Assessment |
| 5. Work Processes | 10. Independent Assessment |